

PAVLOV, D.; LAZAROV, D.

Polarographic analysis of trivalent antimony complexes in sodium fluoride solutions. Dokl. AN SSSR 118 no.1:103-106 Ja-F '58.

(MIRA 11:3)

1. Khimiko-tehnologicheskii institut Sofiya, Bolgariya. Predstavleno akademikom A.N.Frumkinym.

(Complex compounds) (Antimony compounds) (Polarography)

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ACC NR: A16031772 (A) SOURCE CODE: BU/2505/65/005/000/0055/0064

AUTHOR: Pavlov, D.; Boton, M.; Stoyanova, M.

ORG: Institute of Physical Chemistry of the Bulgarian Academy of Sciences
(Institut po fizikokhimiya. Bulgarska akademiya na naukite)

TITLE: Anodic corrosion of lead-antimony alloys with silver additions

SOURCE: Bulgarska akademiya na naukite. Institut po fizikokhimiya. Izvestiya,
v. 5, 1965, 55-64

TOPIC TAGS: alloy, corrosion, anodic corrosion, corrosion rate, lead antimony alloy

ABSTRACT: Investigations were made of the stationary rate of oxidation of lead-antimony and lead-antimony-silver alloys with a low content of silver. It was established that with the increase of the content of antimony, an increase of the corrosion rate occurs and that the electrode potential decreases. Some additions of silver to lead-antimony alloys lower both the corrosion rate and the electrode potential. The above effects are explained by the simultaneous influence of additions on processes, taking place on the oxide-to-solution and metal-to-oxide boundary. [Authors' abstract]

Cord 1/1/1 SUB CODE: 11/SUBM DATE:none/SOV REF: 009/ OTH REF: 002/

PAVLOV, DIMO

BULGARIA/Chemical Technology, Chemical Products and Their
Application, Part 3. - Fermentation Industry.

H-27

Abs Jour: Referat. Zhurnal Khimiya, No 10, 1958, 34148.

Author : Dimo Pavlov.

Inst : Not given.

Title : Elite Wine Batches of 1956 - A New Achievement in
The Clarification of Technological Properties of
Bulgarian Grapes.

Orig Pub: Lozarstvo i vinarstvo, 1957, 6, No 3, 31-41.

Abstract: The technological tests of various Bulgarian grapes
showed that it was possible to produce wine of various
types: table wines with residual sugar of Dimyat and
Red Muscadine grapes (pulp-infused 8 to 15 hours), as
well as of Gymza and Mavrud grapes, dessert wines of
Malaga type from Mavrud grape and of Cahors type from

Card : 1/2

22

PAVLOV, D.

PAVLOV, D. Polarographic method for determination of sulfur in organic
compounds. p. 3. Vol. 3 1955
IZVESTIYA. Sofia, Bulgaria

SOURCE: East European Accessions List (EEAL) Vol. 6 No. 4 April 1957

PAVLOV, D.P.

Turbulent flow formation in free convection. Trudy SAGU no.91:67-87
'57.

(MIRA 11:2)

(Atmospheric turbulence) (Heat--Convection)

124-57-0 -

Translation from: Referativny zhurnal Mekhanika, 1957, Nr 2, p. 7 (USSR)

AUTHOR: Pavlov, D. F.

TITLE: On the Structure of Laminar Thermal Convection in the Air (O strukture laminarnoy term cheskoj konvektsii v vozdukhe)

PERIODICAL: Izvestiya Akad. Nauk SSSR, 1955, Nr 65, pp. 3-17

ABSTRACT: Results are shown of an experimental investigation of the internal structure of the process of free convection which arises above limited surfaces. The design of the experimental setup and the measuring instruments and the observational methods are described. The results of the tests lead to the identification of three regions in the convection current that differ both in shape and in function. The lowest region - that of formation - consists physically speaking of the laminar boundary layer, where the heat is transmitted by means of molecular thermal conductivity. The well known formula for the thickness of a boundary layer was employed in the identification of the height of this first region. The second portion of the current - that of development - occupies two-thirds of the height of the current. The third portion is the region of dissipation. The observations lead the author to the

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124-57-2-2019

On the Structure of Laminar Thermal Convection in the Air

following conclusions: 1) a lateral convergence of unheated air obtains, which exerts a great influence on the formation of the current; 2) a thin stratum exists above the surface of limited dimensions, wherein heated air bubbles form, similar to the layers found in natural conditions (Skvortsov, A. A., Tr. In-ta energetiki AN UzSSR, 1947, Nr 1); 3) free convection above a surface of limited dimensions reproduced in laboratory conditions is not equivalent to the process in nature, although it does achieve some analogy. Analysis of the experimental data has shown that: 1) the "film" state of convection and the laminar and "curly" forms of the free motion above horizontal surfaces are observed at the following respective values of the Grashof number: less than 500, from 5×10^4 to 1×10^5 , and from 10^5 to 10^6 ; 2) the vertical mean-temperature distribution in a convection current is reasonably well described by an exponential relationship of the type $\Delta t = C \Delta t_0 z^{-3}$. The exponent in this relationship is at variance with the exponent (-1) obtaining for that part of a current where the convection process may be considered autoconvective (Gutman, A. N., Prikl. matem. i mekhanika, 1949, Vol. 13, Nr 4, Zeldovich, Ya. B., Zh. eksper. i teor. fiziki, 1937, Vol. 7, Nr 12). Bibliography: 6 references: 1. Air--Thermodynamic properties; 2. Air--Heat transfer; 3. Convection.

--Analysis

V. K. Bayev

Card 2/2

PAVLOV, D.F.
RUBINOV G.D.

PHASE I BOOK EXPLOITATION SOV/5410

Tashkentskaya konferentsiya po mirnomu ispol'zovaniyu atomnoy energii. Tashkent, 1959.

Trudy (Transactions of the Tashkent Conference on the Peaceful Use of Atomic Energy) v. 2. Tashkent, Izd-vo AN USSR, 1960. 449 p. Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk Uzbekskoy SSR.

Responsible Ed.: S. V. Starodubtsev, Academician, Academy of Sciences Uzbek SSR. Editorial Board: A. A. Abdullayev, Candidate of Physics and Mathematics; D. M. Abdurazulov, Doctor of Medical Sciences; U. A. Arifov, Academician, Academy of Sciences Uzbek SSR; A. A. Borodulina, Candidate of Biological Sciences; V. N. Ivashov; G. S. Karimova; A. Ye. Kiv. Ye. N. Lobanov, Candidate of Physics and Mathematics; A. I. Nikolayev, Candidate of Medical Sciences; D. Nishanov, Candidate of Chemical Sciences; A. S. Sadykov, Corresponding Member, Academy of Sciences USSR, Academician, Academy of Sciences Uzbek SSR; Yu. N. Talanin,

Card 1/20

Transactions of the Tashkent (Cont.)

SOV/5410

Candidate of Physics and Mathematics; Ya. Kh. Turakulov, Doctor of Biological Sciences. Ed.: R. I. Khanidov; Tech. Ed.: A. G. Babakhanova.

PURPOSE: The publication is intended for scientific workers and specialists employed in enterprises where radioactive isotopes and nuclear radiation are used for research in chemical, geological, and technological fields.

COVERAGE: This collection of 133 articles represents the second volume of the Transactions of the Tashkent Conference on the Peaceful Uses of Atomic Energy. The individual articles deal with a wide range of problems in the field of nuclear radiation, including: production and chemical analysis of radioactive isotopes; investigation of the kinetics of chemical reactions by means of isotopes; application of spectral analysis for the manufacturing of radioactive preparations; radioactive methods for determining the content of elements in the rocks; and an analysis of methods for obtaining pure substances. Certain

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Transactions of the Tashkent (Cont.)

SOV/5410

instruments used, such as automatic regulators, flowmeters, level gauges, and high-sensitivity gamma-relays, are described. No personalities are mentioned. References follow individual articles.

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RADIOACTIVE ISOTOPES AND NUCLEAR RADIATION
IN ENGINEERING AND GEOLOGY

Lobanov, Ye. M. [Institut yadernoy fiziki UzSSR - Institute of Nuclear Physics AS UzSSR]. Application of Radioactive Isotopes and Nuclear Radiation in Uzbekistan

7

Taksar, I. M., and V. A. Yanushkovskiy [Institut fiziki AN Latv SSR - Institute of Physics AS Latvian SSR]. Problems of the Typification of Automatic-Control Apparatus Based on the Use of Radioactive Isotopes

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ZUYEV, M.V.; PAVLOV, D.F.

Specific features of heat balance in the Golodnaya Steppe during
periods of the Ursat'yevskaya winds. Trudy Sred.-Az.nauch.-
issl.gidrometeor.inst. no.2:41-53 '59. (MIRA 13:6)
(Golodnaya Steppe--Meteorology)

SOV/124-58-5-5488

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 79 (USSR)

AUTHOR: Pavlov, D.F.

TITLE: The Formation of Turbulent Flow in the Presence of Free Convection (Formirovaniye turbulentnogo potoka pri svobodnoy konveksii)

PERIODICAL: Tr. Sredneaz. un-ta, 1957, Nr 91, pp 67-87

ABSTRACT: An experimental investigation was made of the convection currents arising over a heated round plate 15 cm in diameter held flush with a large sheet of Duralumin having a given temperature. In another version of the experiment the plate was rectangular (45 x 71 cm). A small thermocouple measured the temperature of the air above the heated plate at different heights as it was slowly moved over the plate in a course following its diameter; the thermocouple readings were recorded on a tape. Many interesting details of the phenomenon were noted, and from these the conclusion was reached that the air is not simply advected from the sides and then, becoming heated, floats upward; rather, flowing down along the sides from various heights, it unfailingly descends until it almost

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SOV/124-58-5-5488

The Formation of Turbulent Flow in the Presence of Free Convection

touches the plate and only then starts back upward. This is the mechanism which renders the rising current turbulent. It was established that the onset of turbulence occurs at Grashof numbers in excess of 10^7 . Bibliography 10 references.

G.A. Ostroumov

1 Turbulent flow--Theory 2 Turbulent flow--
Temperature factors 3 Convection--Theory

Card 2/2

SKLYAR, V.A.; AVRAMENKO, K.P.; PAVLOV, D.F.; BOBKOV, N.V.; BERESTOVAYA, R.V.;
SKHYPIK, Ye.P.; SEMONENKO, Ye.T.; SERGEYEVA, V.P.; KOLYAKO, D.A.,
red.; SOLDATOVA, N.P., otvetstv.za vypusk; GRISHNYAYEV, B.G.,
tekhn.red.

[Economy of Krasnodar Territory; a statistical manual] Narodnoe
khoziaistvo Krasnodarskogo kraia; statisticheskii sbornik.
Krasnodar, Gosstatizdat, 1958. 233 p. (MIRA 12:2)

1. Krasnodarskiy kray. Statisticheskoye upravleniye. 2. Nachal'nik
Krasnodarskogo krayevogo statisticheskogo upravleniya (for Kolyako).
(Krasnodar Territory--Statistics)

PAVLOV, D. F.

Dissertation: "Thermal Structure of the Process of Free Convection Over Limited Surfaces." Cand Phys-Math Sci, Central Asia State U, Tashkent, 1953.
Referativnyy Zhurnal--Fizika, Moscow, May 54.

SO: SUM 284, 26 Nov 1954

PAVLOV, D. F.

Abst Journal: Referat Zhur - Mekhanika, No 2, 1957, 2019

Author: Pavlov, D. F.

Institution: None

Title: On the Structure of Laminar Thermal Convection in Air

Original

Periodical: Tr. Sredneaz. un-ta, 1955, No 65, 3-17

Abstract: The author cites the results of an experimental investigation of the internal structure of the process of free convection, occurring over limited surfaces. He describes the construction of the installation, the measuring instruments, and methods for performance of the observations. The results of the experiments have made it possible to isolate in the convective stream 3 regions, differing from each other both in form and in the character of the process. The lowest region is the originating region, and represents in its physical meaning a laminary boundary layer, where the heat is transferred by molecular heat conductivity.

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Abst Journal: Referat Zhur - Mekhanika, No 2, 1957, 2019

Abstract: To determine the height of this region, the well known equation for the thickness of the boundary layer was used. The next part of the stream is the development region, occupying $2/3$ of the altitude of the stream. The third part is the attenuation region. The observations have led the author to the following conclusions: (1) there occurs a tightening of the unheated air from the side, and this exerts a large influence on the formation of the streams; (2) the limited-size surface layer, in which heated-air cells occur, is analogous to the strata under natural conditions (Skvortsov, A. A., Tr. Inst. energetiki AN UzSSR, 1947, No 1); (3) free convection over limited surfaces under laboratory conditions is not similar to the natural process. Processing of the experimental data showed that: (1) the film state of convection and the laminary and curl-like forms of the free motion over horizontal surfaces are observed at values of the Grasshof number less than 500, from 5×10^2 to 1×10^5 , and 10^5 to 10^6 respectively; (2) the distribution of the average temperature with the altitude in the stream is represented quite well by a power equation of the form $\Delta t = C \Delta t_0 x^{-2}$. The exponent in this equation is not in agreement with the exponent (-1) that holds for part of the

Card 2/3

PAVLOW D I

GRIGOROVICH, M. Yu.; PAVLOW, D. I.

Improving electric blasting methods in shaft sinking. Gor.
zhur. no. 5:29-31 My '55. (MIRA 8:7)
(Shaft sinking) (Blasting)

SOKOLOV, G.A.; PAVLOV, D.I.

Geochemistry of titanium during the metasomatic process.
Dokl. AN SSSR 142 no.2:445-448 Ja '62. (MIRA 15:2)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralologii i geokhimii AN SSSR. Predstavleno akademikom
D.S.Korzhinskim.

(Anzas region—Titanium)
(Metasomatism)

PAVLOV, D. I.

Coordination of studies on endogenous metallogeny. Geol. rnd.
restorozh. no.2:125-128 Mr-Apr '60. (MIRA13:8)
(Ore deposits)

MOZGOVA, N.N.; PAVLOV, D.I.

Peculiar calcite crystals from the Verkhniy Rudnik deposit,
Tetyukhe Valley. Izv. AN SSSR. Ser. geol. 25 no. 1:105-107 Ja
'60. (MIRA 13:8)
(Tetyukhe Valley--Calcite crystals)

PAVLOV, D.I.

Formation of Anzas albitite. Geol.rud.mestorozh. no.4:54-60 J1-
Ag '61. (MIRA 14:10)

1. Institut geologii rudnykh mestorozhdenii, petrografii,
mineralogii i geokhimii AN SSSR, Moskva.
(Sayan Mountains--Albitite)

PAVLOV, D.I.

New standard solutions and a bilirubin scale for the determination of bilirubin according to the method of van den Bergh. (D. I. Pavlov. Lab. Prakt. (U. S. S. R.) 15, No. 6, 17-22(1940).—The object of the exper. was to develop a method which is simple, inexpensive and practical. Methods for producing 10 standard solns. are given: Soln. (1): NaCl 5 g. + water 100 ml. (to prevent the growth of mold fungi heat the soln. on a boiling water bath for 15 min.). Soln. (2): basic fuchsin 0.02 g. + soln. 1 to 100 ml.; transfer the weighed dye to a 100-ml. graduated flask containing 80 cc. of soln. 1, shake, add soln. 1 to 100 ml. and let stand in a dark place for 24 hrs., shaking the flask occasionally; after 24 hrs. shake the flask and filter the soln. Soln. (3): gentian violet B 0.01 g. + soln. 1 to 100 ml. (prep. as soln. 2). Soln. (3a): gentian violet for bacteriol. investigations 0.01 g. + soln. 1 to 100 ml. (prep. as soln. 2). Soln. (4): $K_2Cr_2O_7$ 0.2 g. + soln. 1 to 100 ml. Soln. (5): $Co(NO_3)_2 \cdot 6H_2O$ 5 g. + soln. 1 to 100 ml. Soln. (6): methylene blue 0.01 g. + soln. 1 to 100 ml. (prep. as soln. 2). Soln. (7): neutral red 0.02 g. + soln. 1 to 100 ml. (prep. as soln. 2). Soln. (8): $CuSO_4 \cdot 5H_2O$ 5 g. + water to 100 cc. Soln. (9): $Co(NO_3)_2$ 15 g. + water to 100 ml. All solns. should be kept in a dark place. The solns. were tested in a no. of exper. and all produced equal results. Bilirubin is detd. by comparing colors in the Autenrieth colorimeter. In the absence of an Autenrieth colorimeter a special bilirubin color scale can be prepd. consisting of 10 test tubes. Any of the described colored solns. can be taken as the standard color soln. after it has been dild. in a descending order. The bilirubin contents according to van den Bergh are 0.25 (min.) and 0.5 mg. % (max.). In chronic jaundice the content rose to 25-30-40 mg. %. In hemolytic jaundice it was 5-10 mg. % and in heart diseases 2-4 mg. %. Soln. 9 is more stable than the other solns. and can be kept for 2 years. The use of the solns. described decreased the time for analyses by 40%, lowered the cost of the reagents by 50%, improved the quality of the analyses and simplified considerably the method of the detn. Nine references.

W. R. Henn

ASD-514 DETAILORICAL LITERATURE CLASSIFICATION

PAVLOV, D.I.

Participation of chorine in endogenous processes. Gen. med.
monitirozhi. G. no. 6:137-141 N-D 164. (M.I.A. 17:14)

PAVLOV, D.I.

Methods for the preparation of thin sections from saliferous rocks. Izv. AN SSSR. Ser. geol. 30 no.2:126-127 P '65.

(MIRA 18:4)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralologii i geokhimi AN SSSR, Moskva.

PAVLOV, D.I.

Third All-Union Conference on the Characteristics of the
Formation and Distribution of Endogenetic Deposits. Geol. rud.
mestorozh. 5 no.2:133-137 Mr-Apr '63. (MIRA 16:6)

(Ore deposits)

PAVLOV, D.I.

Distribution of chlorine in rocks and minerals and its role in the
formation of endogenetic iron ores. Geol.rud.mestorozh. 5 no.1:
116-123 Ja-F '63. (MIRA 16:3)
(Chlorine) (Iron ores)

SOKOLOV, G.A.; PAVLOV, D.I.

Geochemistry of titanium during the metasomatic process.
Dokl. AN SSSR 142 no.2:445-448 Ja '62. (MIRA 15:2)

1. Institut geologii rudnykh mestorozhdeniy, petrografii,
mineralogii i geokhimii AN SSSR. Predstavleno akademikom
D.S.Korzhinskim.

(Anzas Region--Titanium)
(Metasomatism)

PAVLOV, D.I.

Substitution of limestone by albite with inclusions containing chlorine. Dokl. AN SSSR 142 no.1:189-191 Ja '62. (MIRA 14:12)

1. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralologii i geokhimii AN SSSR. Predstavleno akademikom D.S. Korzhinskim.

(Anzas--Albite)

(Metasomatism)

VINNICHENKO, Vladimir Mitrofanovich; PAVLOV, Dem'yan Ivanovich; KUZNETSOV, P.V., red. ekonomist; TIKHANOV, A.Ya., tekhn. red.

[Tables for computing wages for workers in enterprises of machinery manufacturing and metalworking industries] Tablitsy dlia nachislenia zarabotnoi platy rabochim predpriatii mashinostroitel'noi i metalloobrabatyvaiushchei promyshlennosti; posobie dlia schetrykh rabotnikov i normirovshchikov. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 130 p. (MIRA 14:12)
(Wages—Machinery industry) (Wages—Metalworkers)

PAVLOV, D.I.

First session of the International Committee on the study of
Characteristics of the Distribution of Endogenous Deposits.
Geol. rud. mestorozh. no.4:141 J1-Ag '59. (MIRA 13:1)
(Ore deposits)

PAVLOV, D.I. (selo Azovskoye, Krymskaya oblast').

Example of a lesson inculcating the skill of rational computation.
Mat.v shkole no.1:75-76 Ja-F '54. (MLRA 7:1)
(Arithmetic--Study and teaching)

PAVLOV, D. I.

Cand. Medical Sci.

Mbr., Exp. Dept., Moscow Inst. of Tyberculosis -c1948-c49-.

"The Characteristics of Scrofuloderma, " Vest.

Venarol. i Dermatol. No. 1, 1948;

"The State of Cellular Elements in the Connective Tissue System of .atients with
Turberculosis of the Skin," ibid., No. 2, 1949

PAVLOV, D.M.

One hog on each hectare of arable land. Zhivotnovodstvo 24
no.6:32-36 Je '62. (MIRA 17:3)

1. Direktor sovkhoza "Krasnogvardeyets", Kanevskogo rayona,
Krasnodarskogo kraya.

PAYLOV, D.M.

3491. POTENTIOMETRIC DETERMINATION OF SULPHUR IN ORGANIC COMPOUNDS.
 PAYLOV, A., IVLEV, Ch.F., and PAYLOV, D.M. (Izv. Khim. Inst. Bulg. Akad. Nauk (Bull. Chem. Inst. Bulg. Acad. Sci.), 1955, vol. 3, 3-17) abstr. in Ref. Zh. Khim., 1956, 36212. To determine the sample containing 2.5 to 15 mg of sulphur in 5 to 10 ml of a suitable solvent (water, alcohol, benzene), add a little of an aqueous solution of a nickel catalyst, and pour in a solution of sodium hydroxide and absorb the hydrogen sulphide in 0.1 N sodium hydroxide. To determine sulphur in quantities not greater than 5×10^{-4} to 3×10^{-3} M, use the direct potentiometric method of Knuthoff and Miller. Determine larger quantities of sulphur (1 to 1.7 mg) by the following indirect method. Precipitate the S^{2-} absorbed in the sodium hydroxide solution with excess of Cd^{2+} . The quantity of Cd^{2+} not taking part in the reaction is determined potentiometrically. The method is particularly useful for the determination of sulphur in petroleum products, and for the determination of elementary sulphur, sulphur dioxide, sulphur trioxide, etc. The time for a determination is 30 min.

Paylov, D. N.

✓ 1603. The polarographic determination of sulphur in organic compounds. ~~S. I. Zhurav, Ch. P. Ivanov and D. N. Paylov. Izv. Khim. Inst. Bulgar. Akad. Nauk, 1958, 3, 3-17; Ref. Zhur., Khim., 1958,~~

chem 3

Abstr. No. 36,212. Dissolve the sample containing 3.5 to 18 μ g of S in 5 to 10 ml of a suitable solvent (water, alcohol, benzene), add a little of an H_2S -free suspension of skeletal nickel catalyst, and warm in a micro-Kjeldahl apparatus. Decompose the NiS formed with 30% H_2SO_4 , and absorb the H_2S in 0.1 N NaOH. To determine S in quantities $> 5 \times 10^{-4}$ to 3×10^{-2} M, use the direct polarographic method of Kolthoff and Miller. Determine larger quantities of S (1 to 1.7 mg) by the following indirect method. Precipitate the S^{2-} absorbed in the NaOH soln. with excess of Cd^{2+} . The quantity of Cd^{2+} not taking part in the reaction is determined polarographically. The method is particularly useful for the determination of S in petroleum products, and for the determination of elementary S, SO_2 , SO_3 , etc. The time for a determination is 30 min.

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C. D. KOPPIN

PAVLOV, D.P.

Fighting for an over-all mechanization and automatization.

Tekst. prom. 19 no.9:89 S '59. (MIRA 12:12)

(Automatic control) (Moscow--Textile industry)

FAVLOV, D. P.

Tobacco Industry

52 years in the ranks of tobacco workers. Total 14, 000, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

PAVLOV, D.S.

Availability of young atherines to *Smaris smariss* L. under different conditions of illumination. Zool. zhur. 41 no.6:948-950
Je '62. (MIRA 15:7)

1. Institute of Animal Morphology, Academy of Sciences of the
U.S.S.R., Moscow.
(Black Sea--Perch) (Atherinidae) (Fishes--Food)

PAVLOV, D.S., vrach

Tell us about kvass. Zdorov'e 7 no.7:31 J1 '61. (MIRA 14:6)
(KVASS)

PAVLOV, D.S.

Some data on the sense of smell of the rockling *Gaidropsarus mediterraneus* (L.) and its role in finding food. Vop. ikht. 2 no.2:361-366 '62. (MIRA 15:11)

1. Laboratoriya ikhtiologii Instituta morfologii zhivotnykh AN SSSR, Moskva.
(Black Sea--Rockling) (Sense organs--Fishes)

PAVLOV, D.S.

Availability of atherines to the nocturnal predator, the
rockling *Gaidropsarus mediterraneus* L. under various light
conditions. Vop. ikht. 3 no. 1: 158-162 '63. (MIRA 16:2)

1. Laboratoriya ikhtiologii Instituta morfologii zhivotnykh
AN SSSR, Moskva.

(Atherinidae) (Rockling) (Fishes—Food)

PAVLOV, D.S.

Experiments on the feeding of burbot (*Lota lota* (L.)) under different light conditions. Nauch. dokl. vys. shkoly; biol. nauki no. 4:42-46 '59. (MIRA 12:12)

1. Rekomendovana kafedroy ikhtiologii Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(Burbot) (Fishes--Food) (Sense organs--Fishes)

PAVLOV, D.S., podpolkovnik med.sluzhby; CHESNOKOV, P.I., kand.voyennykh
nauk, inzh.-podpolkovnik

Increasing the vitamin content of military rations. Voenn.-med.
zhur. no. 2:31-34 F '61. (MIRA 14:2)
(VITAMINS)

PAVLOV, D.S., podpolkovnik meditsinskoy sluzhby

Method for determining the acid number of fat in field rations and
acidity in vegetable and cereal concentrates and biscuits. Voen.-
med.zhur. no.10:95-0 '59. (MIRA 13:3)
(OILS AND FATS, EDIBLE--ANALYSIS)
(FOOD, CONCENTRATED) (ACID NUMBER)

PAVLOV, D.S. (Moskva)

Contamination of preserved foods by tin fragments from various methods
of opening cans. Gig. 1 san.23 no.4:80-82 Ap '58. (MIRA 11:6)
(FOOD
contamination by tin fragments during opening (Rus))

PAVLOV, Dmitriy Vasil'yevich; KOSSOVA, O.N., red.; SOKOLOVA, I.A.,
tekh.n.red.

[Production of bacon] Proizvodstvo bakona. Moskva, Pishche-
promizdat, 1960. 61 p. (MIRA 14:1)
(Bacon)

VOLOVINSKAYA, V.I., kand. tekhn. nauk; RUBASHKINA, S.Sh., starshiy nauchnyy sotrudnik, DERGUNOVA, A.A., starshiy nauchnyy sotrudnik; SHCHEGOLEVA, O.P., mladshiy nauchnyy sotrudnik; MERKULOVA, V.K., tekhnik; PAVLOV, D.V., kand. tekhn. nauk; MATROZOVA, S.I., kand. khim. nauk

Use of ascorbic acid, sodium ascorbate and glutamate in the production of sausages. Trudy VNIIMP no.11:76-86 '62.

(MIRA 18:2)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Volovinskaya, Rubashkina, Dergunova, Shchegoleva, Merkulova). 2. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy promyshlennosti (for Pavlov, Matrozova).

1. PAVLOV, D. V.
2. USSR (600)
4. Fisheries
7. Fulfilling the yearly plan for fishing ahead of time. Ryb. khoz. 28, no. 9, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

PAVLOV, D.V.; KARGAL'TSEV, I.I.

Dynamics of the changes in the content of phenolic substances during the smoking and drying of hard smoked sausages. Izv. Vys.ucheb.zav.; pishch.tekh. no.6:127-129 '59.

(MIRA 13:5)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy promyshlennosti. Kafedra tekhnologii myasa i myasopitseproduktov.
(Sausages)

PAVLOV, D. M.

Bulgaria/Chemical Technology - Chemical Products and Their Application. Fermentation Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63578

Author: Pavlov, D. M.

Institution: None

Title: Technology of Bulgarian Table and Dessert Wines

Original

Periodical: K'm tekhnologiyata na trapeznite i desertrnite vina u nas. Lozarstvo i vinarstvo, 1955, 4, No 4, 207-213; Bulgarian

Abstract: On the basis of the experience of Bulgarian and Soviet wine makers a revision was made of the technical directions of wine making. For white and red table wines maximum fermentation temperature was set at 28° and sulfiteization before fermentation limited to 200 mg/l. Use of metabisulfite is permissible in exceptional cases. Removal of 1/3 of fermenting mixture as yeast inoculum is permissible. Recommended is greater utilization of natural cold for treatment of wine in wintertime. The maximum time limit for removing the yeast is set

Card 1/2

Bulgaria/Chemical Technology - Chemical Products and Their Application. Fermentation Industry, I-27

Abst Journal: Referat Zhur - Khimiya, No 19, 1956, 63578

Abstract: at 40 days after termination of vigorous fermentation. For dessert wines a new classification, used in USSR, is adopted.

Card 2/2

PAVLOV, Dmitriy Igorovich; SOKOLOV, G.A., doktor geol.-miner. nauk,
otv. red.; MISHINA, R.L., red.izd-va; GUS'KOVA, O.M.,
tekhn. red.

[Anzas magnetite deposit and the participation of chlorine
in its formation] Anzasskoe magnetitovoe mestorozhdenie i
uchastie khloro v ego formirovanii. Moskva, Izd-vo "Nauka,"
1964. 128 p. (MIRA 17:4)

PAVLOV, Dmitriy Vasil'yevich; KOKOSHKO, A.G., red.; NAUMOV, K.M.,
tekhn. red.

[Soviet trade under present conditions] Sovetskaya torgovlya
v sovremennykh usloviakh. Moskva, Izd-vo VPSH i AON pri
TsK KPSS, 1963. 202 p. (MIRA 16:7)
(Russia--Commerce)

PAVLOV, Dmitriy Vasil'yevich (1905-)

[Development of Soviet trade during the postwar years] Razvitie
sovetskoi trgovli v poslevoennye gody. Moskva, Izd-vo VPSH 1
AON pri TsK KPSS, 1958. 37 p. (MIRA 14:7)
(Russia—Commerce)

BERLIN, A.A.; PAVLOV, D.V.; PUGACHEV, P.I.

Protective film coatings for meat products. Izv.vys.ucheb.zav.;
pishch.tekh. no.5:68-73 '58. (MIRA 11:12)

1. Moskovskiy tekhnologicheskii institut myasnoy i molochnoy
promyshlennosti, kafedra tekhnologii myasa, kafedra fizicheskoy i kolloidnoy khimii;

(Packing house products) (Protective coatings)

SOKOLOV, Aleksandr Aleksandrovich, dotsent; PAYLOV, Dmitriy Vasil'yevich, dotsent; BQL'SHAKOV, Aleksey Sergeyevich, dotsent; ZHURAVSKAYA, Nina Konstantinovna, dotsent; SHOPENSKIY, Andrey Pavlovich, dotsent; DYKLOP, Eduard Petrovich, dotsent; MANERBERGER, A.A., spetsred.; KORBUT, L.V., red.; SOKOLOVA, I.A., tekhn.red.

[Technology of meat and meat products] Tekhnologiya miasa i miaso-produktov. Moskva, Pishchepromizdat, 1960. 672 p.

(Meat industry)

(MIRA 14:4)

L 27845-66 ENT(m)/ENP(w)/EPF(c)/ENP(j)/T/ENP(t)/ENP(b) RM/JN/WW
 ACC NR: AP5027273 SOURCE CODE: UR/0207/65/000/005/0068/0075

AUTHORS: Barenblatt, G. I. (Moscow); Kozyrev, Yu. I. (Moscow); Malinin, N. I. (Moscow); Paylov, D. Ya. (Moscow); Shesterikov, S. A. (Moscow)

ORG: none

TITLE: Vibrocreep of polymeric materials

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1965, 68-75

TOPIC TAGS: polymer, caprolyte, stress analysis, stress, stress measurement, creep, creep mechanism

ABSTRACT: This paper presents experimental data and theoretical discussion on the phenomenon of vibrocreep in polymeric materials. The experimental procedure consisted of applying a vibratory stress to a specimen under a static stress and determining the resultant creep ϵ as a function of time. A schematic of the experimental setup is given, and the experimental results are presented graphically. The experimental results are compared with the theoretical expression

$$\epsilon_c = \gamma \int \exp - \frac{(U - \sigma \epsilon)}{RT} dt$$

where ϵ_c is the creep deformation, U - the energy of activation, σ - stress,

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L 27845-66

ACC NR: AP5027273

T - temperature, R - the universal gas constant, γ - a constant, t - the time, and ψ is the transform of X

$$\chi(\epsilon_s) = \int_0^{\epsilon_s} \frac{d\epsilon_s}{F(\epsilon_s)} = \int_0^{\epsilon_s} \exp - \frac{(U - \gamma_0) dt}{RT},$$

in which $F(\epsilon_s)$ is given by $\frac{d\epsilon_s}{dt} = F(\epsilon_s) \exp - \frac{(U - \gamma_0)}{RT}$,

after S. N. Zhurkov and T. N. Sanfirova (Temperaturnaya zavisimost' prochnosti chistykh metallov. Dokl. AN SSSR, 1955, t. 101. No. 2). It was found that the application of an oscillating stress causes an increase in the creep velocity in polymeric materials. The authors thank V. A. Volodchenkov, N. I. Gal'chin, Yu. S. Levashin, Yu. P. Maksimachev and V. V. Tikhomirov for their participation in the experiments. Orig. art. has: 4 graphs and 22 equations.

SUB CODE: OC/ SUBM DATE: 17Jun65/ ORIG REF: 013/ OTH REF: 005

Cord 2/2 $\overline{B}$

MORSEYEV, A., inzh.; PAVLOV, E., inzh.

Universal tool. Tekh.mol. 26 no.5:28-29 '58.
(Implements, utensils, etc.)

(MIRA 11:5)

29-58-5-18/26

AUTHORS: Moreyev, A., Engineer, Pavlov, E., Engineer

TITLE: A Universal Machine (Universal'nyy instrument)

PERIODICAL: Tekhnika Molodezhi, 1958, Nr 5,
pp 28 - 29 (USSR)

ABSTRACT: Woodcutters justly appreciate the gas powered saw "Druzhba". It neither needs a cable nor a transportable power station. This saw was produced by industry especially for the purpose of timber felling. However, it turned out that by means of it, the other jobs could be carried out. It is only necessary to mount a detachable reducing gear instead of the sawing device; then you must have a set of appropriate tools, as for instance, metal and wood drills, screw drivers, metal brushes, grinding wheels. The motor of this saw can also easily be equipped with a ship screw and serve as outboard engine. When there is a generator at hand (e.g. in a car) the motor saw can be transformed into a transportable electric power station. With the engine of the "Druzhba" also a storage battery can be charged, and as a result a radio can be put into operation far from any populated area.

Card 1/2

PAVLOV, E.

New developments in household chemicals. Mest.prom. 1 khud.
promys. 2 no.12:15-16 D '61. (MIRA 14:12)
(Cleaning compounds)

PAVLOV, E.

USSR/Agriculture - Potatoes

Card 1/1

Author : Pavlov, E.

Title : Early potatoes

Periodical : Nauka i Zhizn' 21/4, 31-32, April 1954

Abstract : Potatoes in winter lose starch, sugar, and vitamins, and in summer they have a tendency to sprout. For this reason Russian scientists have created new types of early potatoes. Besides, the sprouting of the potatoes is forced by light and heat before they are set out. In the central part of Russia vernalized tubers of early potatoes yielded 150 to 200 percent more in early July than those that were not vernalized.

Institution :

Submitted :

25(

SCV/118-59-2-24/26

AUTHOR: Pavlov, E.A., Engineer

TITLE: Load-Lifting Mechanisms for Packages (Gruzozakhvatnyye
prisposobleniya dlya paketov)

PERIODICAL: Mekhanizatsiya i avtomatizatsiya proizvodstva, 1959,
Nr 2, page 61 (USSR)

ABSTRACT: This is a description of a load-lifting device for
lumber, produced by the Finnish "Kone" Company. There
are 2 photos and 1 table.

Card 1/1

PAVLOV, E.A., inzh.

Methods for passing pulpwood over dams in Finland. Energekhoz.
za rub. no.5:43-44 S-O '58. (MIRA 11:12)
(Finland--Dams)

VOYEVODA, D.K., kandidat tekhnicheskikh nauk.

A useful pamphlet: "Operating a manual RES - 1 electric tree-knot
cutter." E.A.Pavlov, M.M.Drekhsler. Reviewed by D.K.Voevoda.
Mekh.trud.rab. 9 no.3:47 Mr '55. (MLRA 8:5)
(Cutting tools) (Pavlov, E.A.) (Drekhsler, M.M.)

PAVLON, E. A., Eng.

Saws

Machines for cutting off branches. Isk. tr. mat. 7, No. 3, 1953.

Monthly List of Russian Accessions, Library of Congress
June 1953. UNCL.

VITKOVSKIY, E.Ya.; PAYLOV, E.A., red.; PITERMAN, Ye.L., red. izd-va.;
BARUCHINA, A.M., tekhn. red.

[Unit for building and maintaining single-lane ice roads for tractors
and automobiles] Agregat dlia ustroistva i sodержaniia odno-
koleinykh traktorno-avtomobil'nykh ledianykh dorog; pavil'on
"Lesnaya promyshlennost' i lesnoe khoziaistvo" [Moskva] M-vo
lesnoi promyshl. SSSR [1957] 7 p. (MIRA 11:11)

1. Moscow. Vsesoyuznaya promyshlennaya vystavka.
(Roads, Ice)

PA 164T16

PAVLOV, E. A., Eng.

USSR/Electricity - Electric Saws
Power Plants

Jul 50

"Electric Saws With 200-CPS Three-Phase Current for Logging," E. A. Pavlov, A. I. Osipov, Engineers, Cen Sci Res Inst for Mechanization and Electrification of Logging

"Elektrichestvo" No 7, pp 44-47

Discusses construction and experimental operation of new electric saws, types VAKOPP and K5. Includes data on laboratory tests, and recommendations for further modernization of electric saws, cable networks, and power plants, with photograph of mobile power plant Type PES-12-200.

FDD

164T16

Mar. 49

PAVLOV E. A.

USSR/Engineering
Lumbering
Saws, Electric

"Simplified Electric Saws for Cutting Wood," A. I. Osinor, E. A. Pavlov, Engineers,
Ger Sci Res Inst for Mech and Power Eng of Timber-Cutting, 5 pp

"Mekh Trud i Tyazh Rabot" No 3

These small, power handsaws have done much toward mechanization of operating processes at lumbering enterprises. Describes variations of the saw, performance figures and characteristics.

PA 44/49THH

PAVLOV, E. A.

5598 Pavlov, E. A. ekspluatatsiya ruchnykh elektrosuchkorexok res-1, m-1.,
gosiesbumizdat, 1954. 64 s. s ill. 21 sm (v pomoshch' mekhanizatoram
lesozagotovok 10,000 ekz. 1 r
65k-(55-148) 634.982-83

SO: Knizhnaya Letopis', Vo,. 1, 1955

PAVLOV, B.A., inzhener.

Chairs for clubhouses (From: "Holz-Zentralblatt" no. 14, 1955).
Der.prom. 4 no.12:27 D '55. (MLRA 9:3)
(Germany, West--Chairs)

1ST AND 100 COPIES

PROCESSING AND PROPERTIES INDEX

100 AND 6TH COPIES

CA

Anesthetic ether. E. A. Pavlov. U.S.S.R. 66,503
June 30, 1948. Tech. EtO is treated at ordinary temp.
with Al amalgam. The amalgam is regenerated by wash-
ing it with H₂O and (or) a weak alk. soln. M. Hosh

COMMON VARIABLE INDEX

ASSOCIATE METALLURGICAL LITERATURE CLASSIFICATION

FROM STUDYING

FROM BOWING

EXTRACT OR COPY LIST

EXTRACT OR COPY LIST

PIVOVAROV, Al'bert Yakovlevich; BOTNER, Rudol'f Khaimovich;
FAVLOV, E.A., nauchn. red.

[Design of auxiliary material handling equipment for wood-working industries] Konstruktsii okolostanochnogo oborudovaniia dlia derevoobrabatyvalushchikh proizvodstv. Moskva, TSentr. nauchno-issl. in-t patentnoi informatsii i tekhniko-ekon. issledovanii, 1965. 30 p. (MIRA 18:10)

MOREV, A.K.; PAVLOV, E.A.

The UZS-5 - type universal grinding machine for wood-cutting tools.
Biul.tekh.-ekon.inform. no.2:23-25 '58. (MIRA 11:4)
(Grinding machines)

PAVLOV, E.A., inzhener.

Measuring the moisture content in wood (From "Holz-Zentralblatt"
no. 67, 1955). Der.prom. 5 no.1:31-32 Ja '56. (MLRA 9:5)
(Germany, West--Woodworking industries) (Wood--Moisture)

PAVLOV, E. B.

EXCERPTA MEDICA Sec.3 Vol.11/9 Endocrinology Sept57

1842. PAVLOV E. B. Morphol. Dept. of the Inst. of Exp. Endocrinol. of the USSR, Moscow. Effect of the destruction of the central nervous functions on the oestrous cycle and histological structure of ovaries (Russian text) PROBL. ENDOKR. 1956, 1/1 (105-111) illus. 5

Experiments were performed on 25 adult female rats. The destruction of the central nervous functions caused cessation of the oestrous cycle, and microscopical changes in the ovaries, viz. appearance of haemorrhagic follicles, and either absence of corpora lutea or intense luteinization with absence of ripe follicles. These changes are explained as being caused by altered reactivity of the ovaries towards the action of the gonadotrophic hormones.

Blagoslennaya - Leningrad (X, 3)

PAVLOV, E. G.

Zaytsev, V. P. (Institute of Marine Fisheries and Oceanography of the USSR) and
Pavlov, E. G. (Dept. of Fisheries of the State Planning Commission of the USSR):
"Fish Freezing on Board Ships in the USSR" /English - 6 pages/

report presented at the International Inst. of Refrigeration (IIR), Annual
Meetings of Commissions 3,4, and 5, Moscow, 3-6 Sep 1958.

PAVLOV, E. I.

✓ The coenzyme of thiaminase. R. I. Tatarskaya, E. V. Budilova, and E. I. Pavlov (A. N. Bakh Inst. Biochem., Acad. Sci. U.S.S.R., Moscow). *Biokhimiya* 20, 551-55 (1955).—The exper. procedures for the quant. estn. of co-thiaminase consisted of a modification of procedures previously described (Tatarskaya, *et al.*, *C.A.* 47, 390.). The co-thiaminase was purified electrophoretically. The stability of the co-thiaminase and its resistance to strong hydrolytic action by acids and alkalis was confirmed. Various comparatively simple N substances found in tissue exts. can act as co-thiaminases. That such N substances are not all alike was indicated by the differences with which they were pptd. by phosphotungstic acid and by K bismuthiodide. They also have different functional structural groupings and migrate electrophoretically to different poles. Some thiaminases possess the property of forming active complexes not only with org. but with inorg. N compounds as well, e.g. thiaminase of the *Edenata* will complex with salts of NH_4 . The question of the presence or absence of specific thiaminase coenzymes in uninjured cells cannot be answered unequivocally. B. S. Irving...

PAVLOV, B.I., ZUYEVA, V.S.

Modification of cerebral cholinesterase activity in certain bacterial intoxications. [with summary in English] Biul.eksp.biol. 1 med
45 no.3:60-63 Mr'58 (MIRA 11:5)

1. Iz otdela eksperimental'noy khimioterapii (zav. - chlen-korrespondent AMN SSSR Kh.Kh. Planel'yes) Instituta farmakologii i khimioterapii (dir.-deystvitel'nyy chlen AMN SSSR V.V. Zakusov) AMN SSSR, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR V.V. Zakusovym.

(BRAIN, metabolism,
cholinesterase, eff. of Clostridium tetani & Shigella
dysenteriae toxins (Rus))
(SHIGELLA DYSENTERIAE,
toxin, eff. on cerebral cholinesterase (Rus))
(CLOSTRIDIUM TETANI,
same)
(CHOLINESTERASE,
in brain, eff. of Clostridium tetani & Shigella
dysenteriae toxins (Rus))

PAVLOV, F.

7905-06. PAVLOV, F. Trakhoma. yoshkar-ola, mariyskoye kn. izd., 1954. 13s. s
111. 20 sm. 2,000 EKZ. 15 K.--(55-3209) P

617.711-002.291

To zhe. yoshkar-ola, mariyskoye kn. izd., 1954. 12 s. s 111. 20 sm. 5,000 EKZ.
15 K.-NA mariysk, yaz.--(55-1510) p

SO: Knizhuaya Letopis', Vol. 7, 1955

PAVLOV, F.; SAVEL'YEV, E.

Vibratory snow-cutting and compressing machine. Avt.dor. 25
no.12:27-28 D '62. (MIRA 16:2)
(Snow plows)

PAVLOV, F.

26440 Tekhnika i tekhnologiya obrabotki subproduktov, myas. Industriya, 1949, No. 4,
s. F-12

SO: LETOPIS' NO. 35, 1949

PAVLOV, F.

Toward good servicing of machinery. Sel'.mekh. no.3:18-19 '62.
(MIRA 15:3)

1. Upravlyayushchiy rayonnyy otdeleniyem "Sel'khoztekhnika"
Davlekanovskogo rayona, Bashkirskoy ASSR.
(Harvesting machinery--Maintenance and repair)

PAVLOV, F.A., inzh.

Determination of the efficiency of brake mechanisms of servo
motors. Energ. i elektrotekh. prom. no.2:57-58 Ap-Je '65. (MIRA 18:8)

Classification of products by nutritive value. Ind. S.S.S.R. 19, No. 5, 39-45 (1945).—Nutritive value of products is determined by the nutritive value of the products themselves and not by the nutritive value of the products as they are consumed. The nutritive value of products is determined by the nutritive value of the products themselves and not by the nutritive value of the products as they are consumed. The nutritive value of products is determined by the nutritive value of the products themselves and not by the nutritive value of the products as they are consumed.

PAVLOV, F. F. Dr. Tech. Sci.

Dissertation: "Estimation of Errors and Graphical-Analytical Methods in Basic Mine Surveying Works." Moscow Mining Inst., imeni I. V. Stalin, 19 Jun 47.

SO: Vechernyaya Moskva, Jun, 1947 (Project #17836)

PAVLOV, F. P., SRIF.

Errors, Theory of

Curves of average errors. Nauch. trudy Mosk. gor. inst. No. 8, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 1952. 1953, Uncl.

PAVLOV, P. F.

Surveying

Differential method for measuring horizontal angles in triangulation. (Trudy)
VNIIMI 22, 1950.

9. Monthly List of Russian Accessions, Library of Congress, October 195²~~8~~, Uncl.

PAVLOV, F. F., CHAYKOVICH, A. I.

Science

Spherical trigonometry, Moskva, Ugletekhizdat, 1951.

Monthly List of Russian Accessions, Library of Congress, December 1952. Unclassified.

PAVLOV, F. F.

PAVLOV, F. F., professor, doktor tekhnicheskikh nauk; LEVIT, D. Ye.,
~~inzhener.~~

[Atlas of nomograms for surveying calculations] Atlas nomogram
dlia marksheiderskikh vychislenii. Moskva, Ugletekhizdat,
1953. 67 p. (MLRA 7:2)

(Surveying--Tables, etc.)

PAVLOV, F. F.

"Reestablishment of Lost Reference Points of Triangulation and Polygonization".
Nauch. tr. Mosk. gorn. in-ta, No. 12, pp 3-15, 1954.

The location of lost centers is described by using graphoanalytical
intersection and resections. (RZhAstr, No. 1, 1956)

SO: Sum No 884, 9 Apr 1956

PHASE I BOOK EXPLOITATION 762

Pavlov, Fedor Fedorovich, Doctor of Technical Sciences, Professor;
Mashkevich, Vladimir Pavlovich, Candidate of Technical Sciences,
Docent; Fedorov, Boris Dmitriyevich, Candidate of Technical
Sciences, Docent

Geodeziya (Geodesy) Moscow, Ugletekhizdat, 1955. 356 p. 10,000
copies printed.

Responsible Ed.: Gusev, N.A.; Ed. of Publishing House: Slovorosov,
A.Kh.; Tech. Ed.: Prozorovskaya, V.L.

PURPOSE: This is a textbook designed for mining and mining engine-
ering students at the university level and for independent
study by mine workers.

COVERAGE: This manual is published for mining and metallurgical
vuzes under the auspices of the USSR Ministry of Higher Educa-
tion and was written by members of the Moscow Mining Institute
under the direction of Professor F.F. Pavlov. Chapters I, II,

Card 1/ 12

Geodesy

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IV, VI, VII, VIII, IX, and X were written by Professor F.F. Pavlov and docents V.P. Mashkevich and B.D. Fedorov; chapters III, V, XIV, XV and Sec. 19 by B.D. Fedorov, and chapters XI, XII and XIII by Professor Pavlov. The book presents the theory and practice of geodesy as applied to modern mining and mining engineering operations. The text is accompanied by numerous diagrams, maps, photographs and tables. Instruments and methods of making measurements are described in considerable detail. By way of introduction, Chapter I provides a brief account of the historical development of geodesy and particularly its development in Russia. It concludes by stating that in 1940 the Central Scientific Research Institute of Geology and Cartography under Professor F.N. Krasovskiy, redetermined the dimensions of the Earth's ellipsoid and that all geodetic and cartographic work in the USSR as of April 7, 1946 has been based on the new dimensions. The new ellipsoid is known as the Krasovsky ellipsoid. By 1950 class I triangulations had reached a total of 75,000 km. and class I and II leveling, 150,000 km. A considerable part

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Geodesy

of the Soviet Union is now covered by a complete network of triangulations. Mentioned in the introduction as having made outstanding contributions in the fields of geodesy and cartography are Professor N.G. Kell', Professor A.S. Chebotarev, A.A. Mikhaylov, N.A. Urmayev, V.V. Danilov, and V.V. Popov, corresponding members of the USSR Academy of Sciences; F.N. Krasovskiy, A.A. Izotov, A.A. Mikhaylov and M.S. Molodenskii who had worked out new methods of determining the shape of the Earth; and Professor Doctor F.V. Drobyshev, Professor N.M. Aleksapol'skiy, M.D. Konshin, M.M. Rusinov, V.A. Belitsyn, G.Yu. Stodolkevich, and Docent N.A. Gusev, eminent designers of geodetic instruments who have been awarded Stalin prizes for their work.

TABLE OF CONTENTS:

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Foreword

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Card 3/12